

Sub  
A1 >

1. An improved golf putter head which comprises:  
a face for striking a golf ball;  
a sole for positioning adjacent to a golf green surface;  
a back surface;  
5 a top surface lying substantially parallel to said sole;  
an elongated neck extending from said top surface for  
supporting a hosel with said hosel positioned forward of said  
face;  
said hosel having an opening for receiving a putter shaft;  
said hosel opening having an edge lying substantially  
parallel with said top surface;  
said head having a thickness between face and back surfaces  
in a central region of less than 20% of the thicknesses in heel  
and toe regions;  
said sole having a thickness in said central region of less  
than about 20% thicknesses in said heel and toe regions;  
said sole having a cut out region extending from said back  
surface toward said face;  
said cut out region having parallel recessed edges; and  
20 an insert configured to fill at least some of said cut out  
region and having edges configured to slide into said recessed  
edges.

2. The putter according to claim 1 wherein the density of  
said insert material differs from the density of said club head

material.

3. The putter according to claim 1 wherein said overall putter head weight with said insert is from about 275 to 400 grams and said insert weight is from about 5 to 150 grams.

5 4. The putter according to claim 1 wherein said insert has a width of from about 0.25 to 2 inches, a thickness of from about 0.0625 and 0.5 inch and a length of from about 0.5 to 3 inches.

5. The putter according to claim 1 wherein said head is formed from stainless steel and said insert is formed from aluminum.

6. The putter according to claim 1 wherein said neck has at least one recess parallel to said elongation.

7. The putter according to claim 1 wherein said heel and toe regions have thicknesses at least about 1 inch, from face to back surface.

8. The putter according to claim 1 wherein said heel and toe regions have thicknesses of at least about 1.5 inches, from sole to top surface.

9. An improved golf putter head which comprises:

a face for striking a golf ball;

a sole for positioning adjacent to a golf green surface;

a back surface;

a top surface lying substantially parallel to said sole;

an elongated neck extending from said top surface for

supporting a hosel with said hosel positioned forward of said face;

said neck having at least one recess parallel to said elongation;

5        said hosel having an opening for receiving a putter shaft;  
      said hosel opening lying substantially parallel with said top surface;

Sub        said head having a thickness between face and back surfaces  
10        in a central region of less than about 20% of the thicknesses in  
15        heel and toe regions;

20        said sole having a thickness in said central region of from  
      about 0.0625 and 0.5 inch and thicknesses in said heel and toe  
      regions of at least about three the thickness of said central  
      region;

      said sole having a cut out region extending from said back  
      surface toward said face;

      said cut out region having parallel recessed edges extending  
      from said back surface; and

      an insert configured to fill at least some of said cut out  
20        region and having edges configured to slide into said recessed  
      edges.

10. The putter according to claim 9 wherein the density of  
said insert material differs from the density of said club head

5127  
A

[illegible]

~~ding to c  
ected from  
acetyl, c  
epleted u  
ber filled  
ons there~~

13. The putter according to claim 9 wherein said head is formed from stainless steel and said insert is formed from aluminum.